

<p>98-434146/37 A85 D22 E32 G02 J01 ISHI 96.12.27 L03 (E36) ISHIKAWAJIMA HARIMA HEAVY IND *JP 10183029-A 96.12.27 96JP-351184 (98.07.07). C09D 5/24, 5/00, 5/08, C09K 3/00, C09D 5/14 // H01L 31/08 Photo-electrode type conductive coating compsn. - contains fine titanium di:oxide powder in conductive polymeric binder. C98-131523</p>	<p>A(8-M9A, 9-A3, 12-E11A) D(9-B) E(35-K2) G(2-A5) J(1-E2D) L(3-C2A) air.</p>
<p>A photoelectrode type conductive coating compsn. (P) contains 10-70 wt. % of fine powder (A) of TiO_2 having photoelectrode function in conductive polymer binder (B). <u>USE</u> (P) is suitable for forming on various substrates coating films that exhibit various functions like corrosion prevention of substrate metals, stain prevention, antifungal action, deodorizing, and removal of NO_x and SO_x in the air. <u>ADVANTAGE</u> Coating films formed from (P) exhibit excellent various functions like corrosion prevention of substrate metals, stain prevention, antifungal action, deodorizing, and removal of NO_x and SO_x in the</p>	<p><u>PREFERRED MATERIAL</u> (1) (A) is fine powder of TiO_2 that was changed to n-type semiconductor by adding 0.01-0.2 wt. % of penta-valent element Nb to TiO_2. (2) (B) is conductive binder obt'd. by modifying such insulating polymer as polyester, phenol, acryl, melamine, or epox resin to a conductivity of at least 0.0001 S/cm by adding 10-70 wt of conductive filler like Ag, Cu and/or carbon. (3) (B) is conducti polymer, in which π electron of conjugated double bond of the m chain realises electroconductivity of 0.0001-100,000 S/cm, like polyacetylene,, polythiophene, polyfuran, polyiminobenzyl, and polyaniline. (4p180DwgNo.0/3) JP 10183029-4</p>

ADOC 37BVTIWA/ 1S3B